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Environmental Monitoring System

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FINAL REPORT
ON THE DESIGN, BUILD, TEST, AND DOCUMENTATION
OF AN ENVIRONMENTAL MONITORING SYSTEM

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ABSTRACT

The environmental monitoring system monitors three conditions. Carbon-monoxide concentration in parts per million, percentage oxygen concentration, and temperature in degrees Celsius. The system has three sensors carbon monoxide, oxygen, and temperature sensors. Each sensor is connected to a low-pass filter, interphase circuit, sample-and-hold circuit, and A/D converter. All circuits are connected to the 8255 PPI adapter then to an LCD display unit.

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